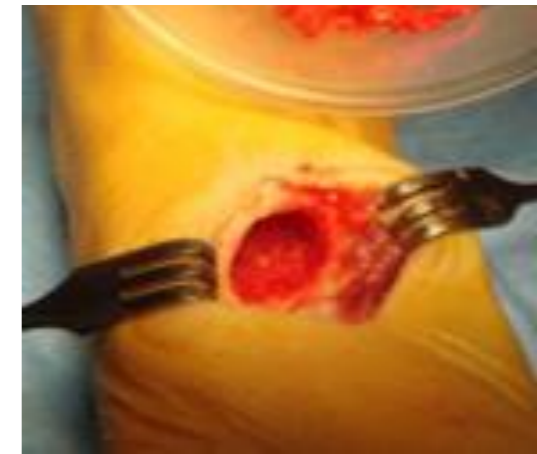
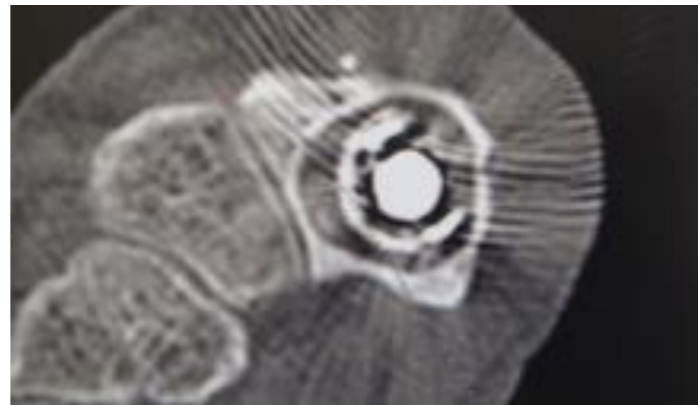


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Aseptic loosening of trapezo- metacarpal prostheses.



Proposal for a revision strategy

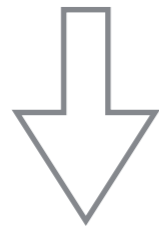


Conflict of Interest with Lepine Maia TMC prosthesis

1 Trapezium with Sufficient Bone Stock

Changing the size of the cup

- 8 months Follow-up
- Pain
- No bone integration of the cup
- Hyperfixation of the trapezium on Scintigraphy



- Removal of the cup size 9
- Drilling until spongy and bleeding bone
- Placement of a cup size 10

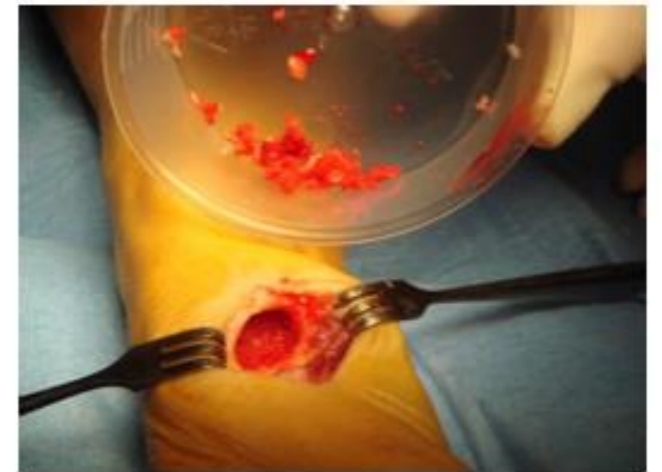


2 years follow-up

2/ LOOSENINGS WITH UNSUFFICIENT BONE STOCK but MODERATE BONE DEFECT of the trapezium

Spongiuous Bone Grafting +Changing the size of the cup

- Respect of the walls of the trapezium
- Removal of the cup size 9
- Minimal drilling
- **Spongiuous Bone graft** from the iliac crest or radius
- implantation of a Maïa cup size 10
- Splint immobilization of the thumb during 8 weeks
- Good bone ingrowth



1 year Follow-up

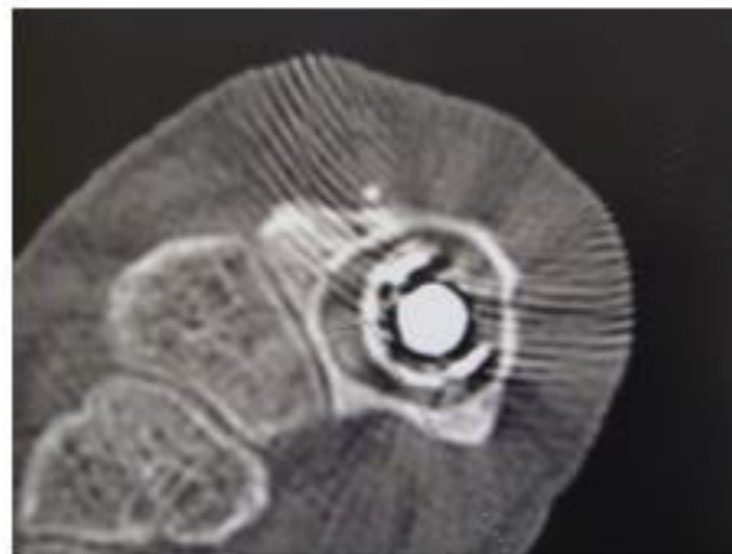


3/ LOOSENING WITH MAJOR BONE DEFECT & Respect of the trapezium walls Patient < 75 Y

1/2

Corticospongious Bone Grafting + Drilling on the cortical face

- Loosening of a cemented TMC prosthesis (Guepar*) with 12 years follow-up
- T-scan : **Respect of the trapezium walls**
- Gentle removal of TMC prosthesis



3/ LOOSENING WITH MAJOR BONE DEFECT & Respect of the trapezium walls Patient < 75 Y

2/2

Corticospongious Bone Grafting + Drilling on the cortical face

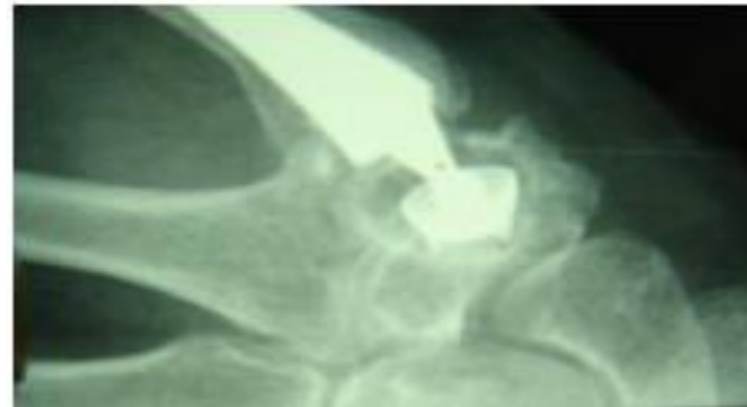
- Minor Drilling of the trapezium
- Custom-made Cortico-spongious iliac graft
- Drilling on the cortical surface of the graft
- Impaction of a Maia cup Size 9
- Good bone integration of the graft with 1 year follow-up



4/ LOOSENING WITH MAJOR BONE DEFECT & Respect of the trapezium walls Patient > 75 Y or Osteopenia

Cimented « Revisiting Cup »

- Minor Drilling of the trapezium
- Cimentation of the trapezium
- Impaction of a Maia « revisiting cup » Size 9
- 3 years follow-up : good function and no loosening



Cimented cup
for Revisiting procedure



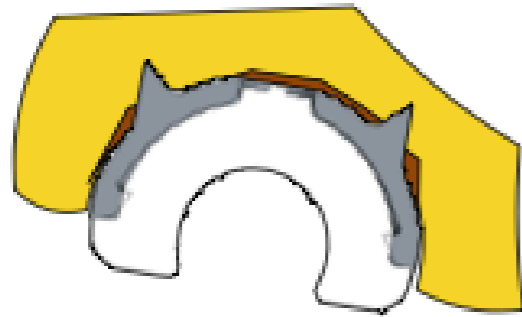
5/ LOOSENING WITH TRAPEZIUM DESTRUCTION

Trapeziectomy

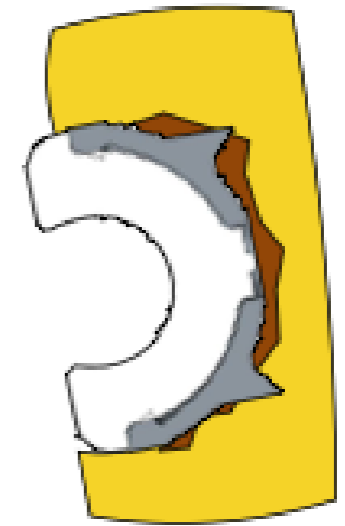
- Loosening at of a cimented TMC prosthesis (Delacaffiniere*) with 20 years follow-up
- X-Ray or T-scan : Destruction of the trapezium wall
- Trapeziectomy



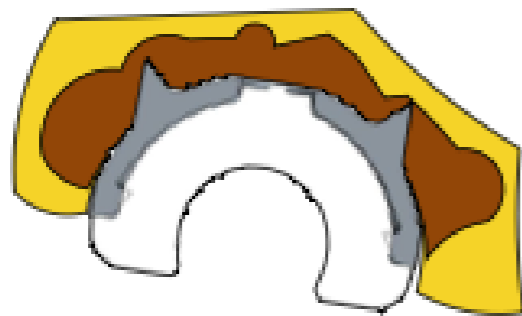
Stage 1 :
No
Bone defect



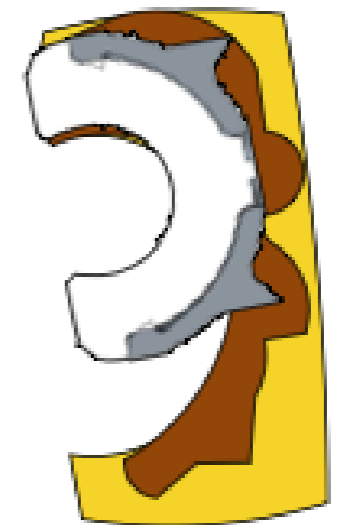
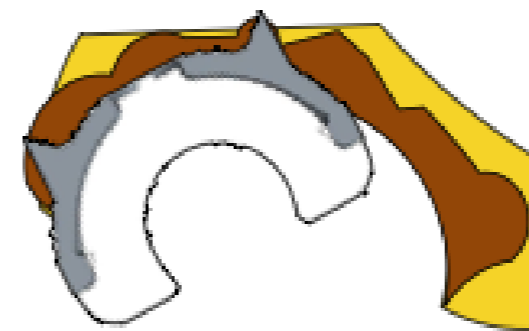
Stage 2 :
Moderate Bone defect



Stage 3 :
Significant Bone Defect
Respect of the Trapezium wall

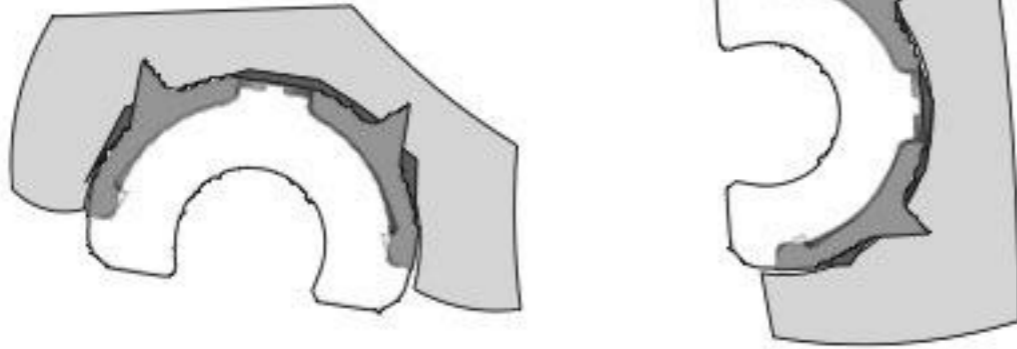


Stage 4 :
Trapezium wall collapse



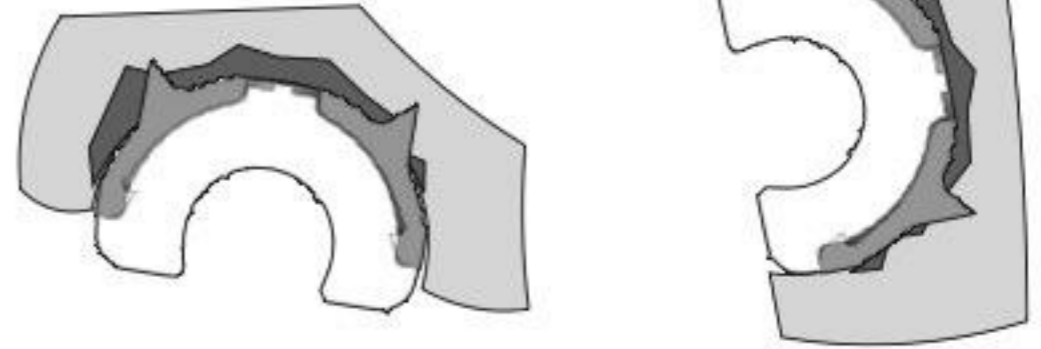
Classification of TMC cup loosening

Stage 1 :
No
Bone defect



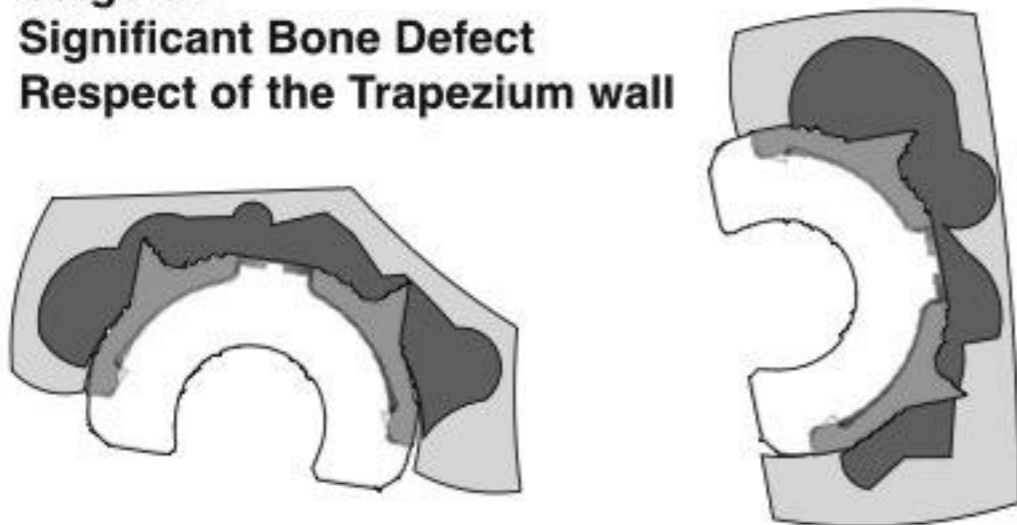
Changing the size of the cup

Stage 2 :
Moderate Bone defect



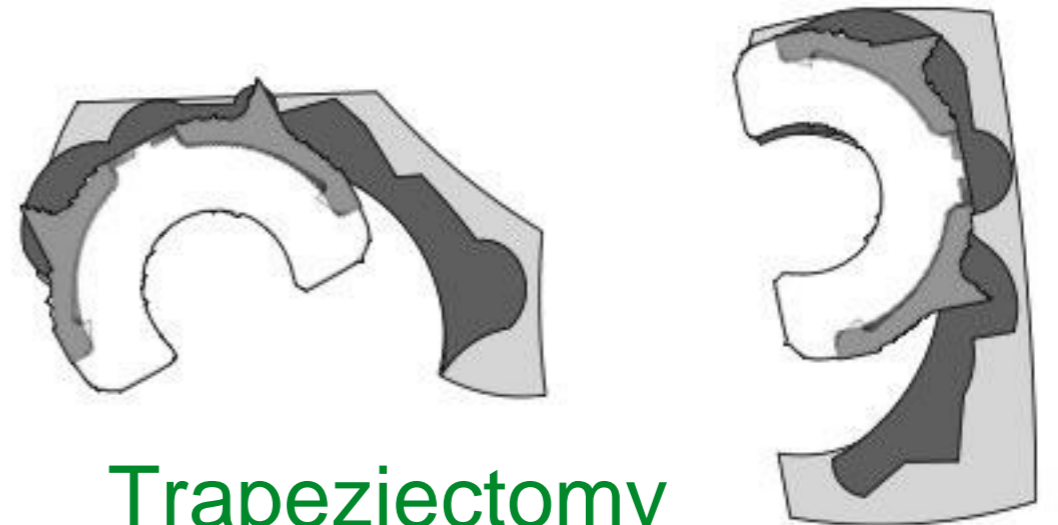
Spongiuous Bone Grafting

Stage 3 :
Significant Bone Defect
Respect of the Trapezium wall



A/ Iliac Crest Bone Grafting
B/ Cimented Revision cup

Stage 4 :
Trapezium wall collapse

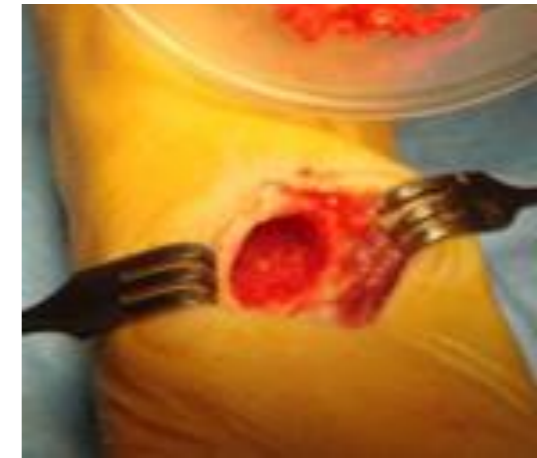
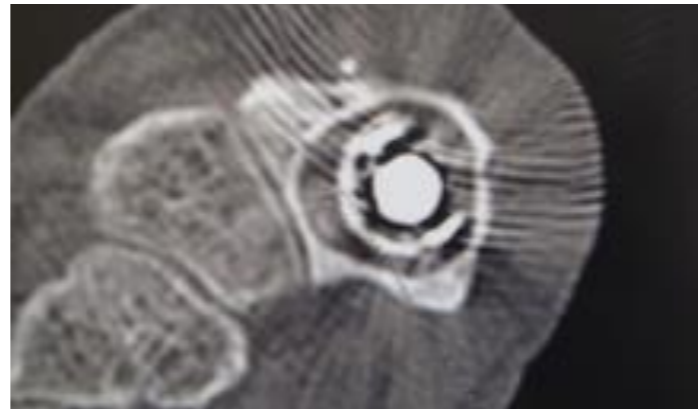


Trapeziectomy

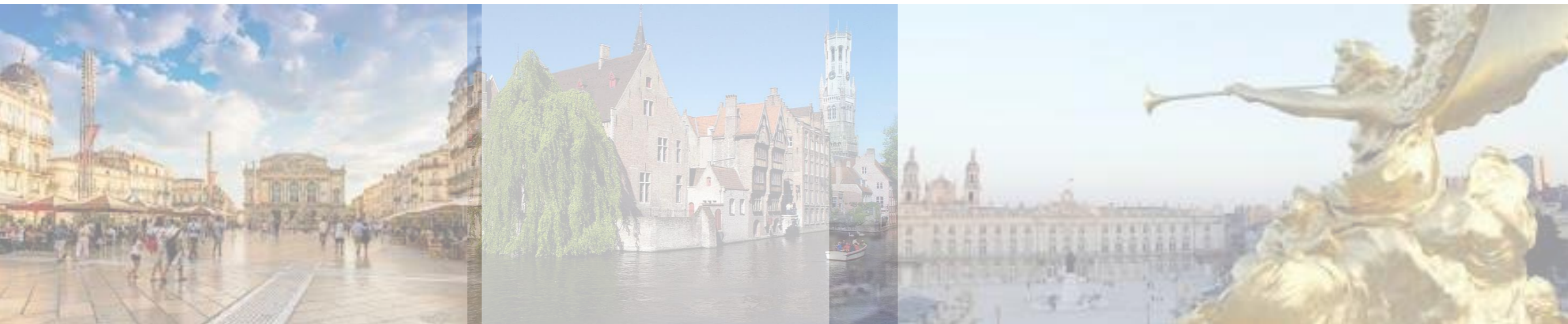
Classification of TMC cup loosening

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